

SOV/20-120-1-25/63

Investigation of the Redox Potentials of Plutonium in Nitric Acid

obtained are the same as in hydrochloric acid. There are 1 figure, 3 tables, and 15 references, 3 of which are Soviet.

ASSOCIATION: Institut fizicheskoy khimii Akademii nauk SSSR
(Institute of Physical Chemistry AS USSR)

PRESENTED: December 24, 1957, by I. I. Chernyayev, Member, Academy of Sciences, USSR

SUBMITTED: December 24, 1957

1. Plutonium--Analysis
2. Oxidation-reduction reactions
3. Nitric acid--Applications

Card 3/3

PHASE I BOOK EXPLANATIONS

801/5024

International Conference on the Peaceful Uses of Atomic Energy. 24, Geneva, 1958.

Doblyady sovetskikh uchenykh. [S.A.] Khimika radioelementov i radiatsionnykh prevrashcheniy (Reports of Soviet Scientists. V. 4.: Chemistry of Radioelements and Radiation Transformations) Moscow, Atomizdat, 1959. 323 p. 6,000 copies printed. (Series: Its: Trade)

Ed. (Title page): A. P. Vinogradov, Akademicheskii Ed.: V. I. Labaznovi Tech. Ed.: Ya. I. Muzel.

PURPOSE: This collection of articles is intended for scientists and engineers interested in the applications of radioactive materials in science and industry.

CONTENTS: The book contains 26 separate studies concerning various aspects of the chemistry of certain radioactive elements and the processes of radiation effect on matter. These reports discuss present-day methods of reprocessing irradiated nuclear fuel, research in the chemistry of mercury, thallium, uranium, plutonium, and americium, problems related to the sorption and burying of radioactive wastes, the radiolysis of aqueous solutions and of organic compounds, the mechanism of polymer chain grafting, and the effect of radiation on natural and synthetic rubbers. V. I. Prusakov edited the present volume. Most of the reports are accompanied by references. Contributors to individual investigations are mentioned in annotations to the Table of Contents.

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Alexandrov, I. P., L. L. Savitskaya, L. V. Ilyina, V. I. Rudin, and L. G. Gorbunov. Production and Properties of Several Heavy Fluorides of Trivalent Plutonium (Report No. 2008)	137
Amosov, G. M., and V. M. Kopylov. Investigations on the Chemistry of Americium (Report No. 2147)	147
[D. S. Gorenko-Gerasimov is mentioned as having supplied the material for the second section of this study.]	
Arakchany, O. Ye., V. D. Nikol'skiy, S. M. Shirostina, A. Kurbanov, and V. S. Smol't. Contribution to the Chemistry of Radioactive Ruthenium (Report No. 2143)	166
Bel'tov, V. I., L. D. Bel'tova, A. P. Rumova, V. V. Gromov, L. M. Stetskiy, Ye. M. Vetrov, and G. I. Smirnov. Study of the Migration of Radioactive Elements in Soils (Report No. 2207)	174
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Bel'tov, V. I., A. P. Rumova, V. T. Borzhenkov, P. V. Reuten, and others. Biotechnical Industrial Plant for Purification of Laboratory Waste Waters Contaminated With Radioactive Elements (Report No. 2025)	194
Bel'tov, V. I., and Ye. M. Vetrov. On the Possibility of Burying Radioactive Wastes in Deep-sea Depressions of the Ocean (Report No. 2090)	204
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[The investigations were carried out at the Laboratory of Radiochemistry, Laboratory of Radiation Chemistry of the Physicochemical Institute, and the Laboratory of Radiochemistry of the Institute of Atomic Energy, L. Ya. Karpova]	
Chernov, Ye. V., V. V. Karello, and A. I. Chernov. The data on oxidation-reduction reactions taking place in aqueous solutions under the effect of γ -radiation were obtained from investigations made at the Laboratory of Radiochemistry of the Institute of Atomic Energy, L. Ya. Karpova and the Laboratory of Metallurgy (Laboratory of Corrosion and Electrochemistry of Metals) under the direction of Ya. M. Eshoyrin.	
Syrtin, M. A., B. S. Buz, and O. G. Zvyurkov. The following are mentioned as having made a study of conjugate reactions such as the formation of dyes from low-level wastes: V. D. Gorbunov, A. A. Zaslavskaya, L. I. Malolet, T. V. Brumbar, and M. Ya. Katsukhaya.]	
Bel'tov, V. I., and V. I. Melnikovsky. Radiolysis of Radioactive Compounds (Report No. 2209)	229
[The following are mentioned: M. D. Molodtsov and V. P. Pavlov.]	

5(4), 21(1)

SOV/78-4-6-18/44

AUTHORS: Artyukhin, P. I., Medvedovskiy, V. I., Gel'man, A. D.

TITLE: The Separation of Pu(IV) and Pu(V) in Nitric Acid Solution
(Disproportsionirovaniye Pu(IV) i Pu(V) v rastvorakh azotnoy kisloty)

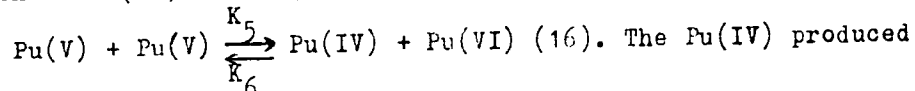
PERIODICAL: Zhurnal neorganicheskoy khimii, 1959, Vol 4, Nr 6, pp 1324-1331
(USSR)

ABSTRACT: The reaction for the separation of Pu(IV) and Pu(V) was investigated in different nitric acid concentrations. Pu(IV)-solutions were produced with 0, 10, 0.20, 0.30 and 0.40 n HNO_3 . The experimental results are given in the figures 1-4. The equilibrium constants and the constants of the rate of separation were computed and are given in table 1. The ions Pu^{4+} and the complex ions $\text{Pu}(\text{NO}_3)_3^{3+}$ take part in the separation reaction of Pu(IV). The results of the separation process Pu(V) in nitric acid solutions are given in the figures 7-9. It was found that the rate of separation rises with the increase of the hydrogen ion concentration. The separation of Pu(V) proceeds first according to the reaction

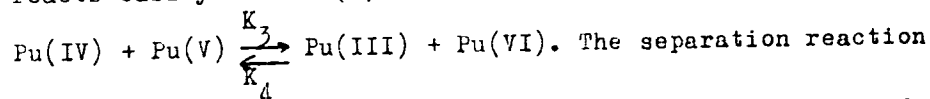
Card 1/2

SOV/78-4-6-18/44

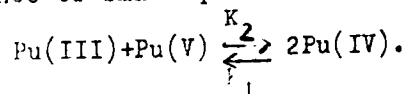
The Separation of Pu(IV) and Pu(V) in Nitric Acid Solution



reacts easily with Pu(V) according to the reaction



proceeds in the case of the presence of small quantities of Pu(III) according to the equation



The rate of separation is given in figure 11. The constants of the rate of separation are given in table 2. There are 11 figures, 2 tables, and 4 references.

ASSOCIATION: Institut fizicheskoy khimii Akademii nauk.SSSR (Institute of Physical Chemistry of the Academy of Sciences, USSR)

SUBMITTED: May 28, 1958

Card 2/2

(N) L 4596-66 EWT(1) GW

ACCESSION NR: AP5021213

UR/0213/65/005/004/0725/0726
551.46.087

39
32
08

AUTHOR: Medvedovskiy, V. V.

TITLE: Assembly for the investigation of the temperature distribution in the sea from a moving ship 12.5

SOURCE: Okeanologiya, v. 5, no. 4, 1965, 725-726

TOPIC TAGS: oceanographic equipment, oceanographic instrument, oceanographic ship, temperature measurement, temperature instrument, sea water

ABSTRACT: The present author describes an assembly used in the Akusticheskiy institut (Institute of Acoustics) for recording the temperature distribution in the sea from a moving ship at fixed depths. The assembly consists of an underwater unit, temperature and depth sensors, and receiving and recording components. The diagram of towing the system and the design of the underwater unit are given (Fig. 1 of the Enclosure). The measurements taken showed that with a uniform course of the ship, the underwater unit maintains its depth with an accuracy of $\pm 0.5m$, therefore, the recording of temperature throughout the entire tack is assumed to be taken at one depth. The assembly was used to investigate the horizontal gradients of temperature in small segments of the sea. With no less

Card 1/3

09010566

L 4896-66

ACCESSION NR: AP5021213

2

effect the method may be used in thermal recordings of entire regions of the sea.
Orig. art. has: 1 figure.

ASSOCIATION: Akusticheskiy institut AN SSSR (Institute of Acoustics, AN SSSR)

SUBMITTED: 20Nov64

ENCL: 01

SUB CODE: ES, TD

55

NO REF SOV: 002

OTHER: 000

Card 2/3

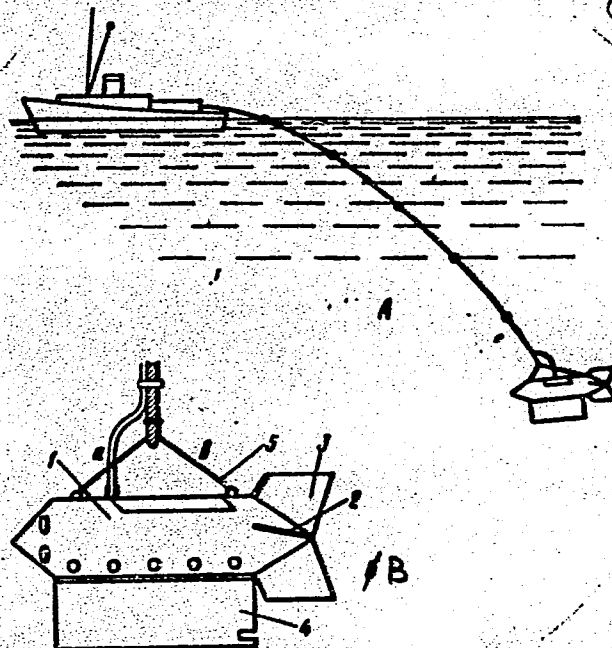
L 4896-66

ACCESSION NR: AP50212E3

ENCL: 01

Fig. 1. Diagram of towing system (A) and the design of the underwater unit (B).

1. housing
2. rudders
3. stabilizer
4. keel
5. attachment chain



PC

Card 3/3

M. W. T. S. H. L., I., Mr.

suspended drug. Pharmaceut. vest. 11. no. 7/9: 183-184.

Some pre-emption from the market. Use of their
111 side effects. Ibid. 183-184

I 04728-67 EWT(m)

ACC NR: AP6027306

(A)

SOURCE CODE: UR/0244/66/025/003/0058/0061

31 B

AUTHOR: Kudryasheva, A. A.; Medvedskaya, I. G.

ORG: Microbiology and Entomology Laboratory /directed by Candidate of Medical Sciences, Yu. M. Filippov / of the Filial of the All Union Scientific Research Institute of the Canning and Vegetable Drying Industry, Bogucharovo, Tula Oblast (Laboratoriya mikrobiologii i entomologii filiala Vsesoyuznogo nauchno-issledovatel'skogo instituta konservnoy i ovoshchesushil'noy promyshlennosti)

TITLE: Pasteurization of fresh raspberries with gamma rays of different intensity

SOURCE: Voprosy pitaniya, v. 25, no. 3, 1966, 58-61

TOPIC TAGS: food sanitation, food technology, microorganism contamination, gamma irradiation, horticulture

ABSTRACT: To investigate the feasibility of prolonging the storage of berries, containers of freshly picked raspberries were gamma-irradiated (Co^{60} -unit) with 3×100^3 and 4×100^3 rad doses at an intensity of 23 rads/sec or 150 rads/sec. Microorganism contamination of berries was determined immediately before and after gamma-irradiation by culture

UDC: 634.711:664.8.036,6.039.64

Card 1/2

L 04728-67

ACC NR: AP6027306

growth methods. Irradiated and control raspberries were stored at 5° and 20°. Results show that microorganism contamination is extremely high prior to irradiation; several million microorganisms were found per gram of berries with the following distribution: yeast organisms (80%), molds (12%) and bacteria (8%). Gamma-irradiation significantly reduces microorganism contamination depending on irradiation dose intensity. A 300,000 rad dose at an intensity of 150 rad/sec reduces contamination to a mean of 93,000 organisms per gram of berries; but, the same dose at an intensity of 23 rads/sec reduces contamination to only 890,000 microorganisms per gram of berries. Gamma-irradiation doses of $5 \cdot 100^3$ rads/sec produced discoloration of berries. Gamma-irradiation doses of $3 \cdot 100^3$ and $4 \cdot 100^3$ rads/sec at an intensity of 150 rads/sec prolong the storage of raspberries by 1 to 2 days at 20°C and by 3 to 4 days at 5°C compared to the same doses at an intensity of 23 rads/sec. Orig. art. has: 3 figures and 2 tables.

SUB CODE: 06/ SUBM DATE: 10Mar65/ ORIG REF: 005/ OTH REF: 002

Card

2/2

Medvedskaya, M.G.

32-11-34/60

AUTHORS: Genaleeva, M.S., Medvedskaya, M.G.

TITLE: Short Reports (I) (Korotkiye soobshcheniya)

PERIODICAL: Zavodskaya Laboratoriya, 1957, Vol. 23, Nr 11, pp. 1360-1360 (USSR)

ABSTRACT: For the purpose of producing standards for spectral analysis with respect to H_2SiO_3 , $Fe(OH)_3$ or Fe_2O_3 the application of these substances by mechanical means by the admixture of chemically pure powder is recommended; in the case of Na_2O they are used as a product of the titration of the chemically pure solution of $NaOH$. For the production of standard samples from the alumina to be investigated, a portion of it is well purified and put through a sieve, and is chemically and spectrographically investigated in order to determine its content of SiO_2 , Fe_2O_3 and Na_2O . Herefrom the first standard sample is completely formed. The others are prepared by admixtures of H_2SiO_3 and Fe_2O_3 or $Fe(OH)_3$. The ready standard samples are chemically and spectrographically investigated. If the solution Na_2O is used, it is added in such a manner that the alumina remains soft (not doughy) and does not become sticky. This is possible at the ratio of 100 g alumina

Card 1/2

Short Reports (I)

32-11-34/60

and 30 ml solution. For preparing standard samples portions of
200 g are recommended.

ASSOCIATION: Bogoslovsk Aluminum Factory (Bogoslovskiy alyuminiyevyy zavod)

AVAILABLE: Library of Congress

Card 2/2

MEDVEDSKAYA, V.F. [Mladzvedskaia, V.F.], prepodavatel'

If your room looks north. Rab. i sial. 36 no.11:24 H '60.
(MIRA 13:11)

1. Gomel'skiy pedagogicheskiy institut.
(Plants, Potted)

MEDVEDSKAYA, V.F.

Propagation of plants by leaves. Biol. v shkole no.4:83
Jl-Ag '61. (MIRA 14:7)

1. Gomel'skiy pedagogicheskiy institu'.
(Plant propagation)

KARASEV, K.I., kand. khim. nauk; MEDVEDSKAYA, Ya.A., inzh.; MAMUROVSKIY, A.A., otv. red.; POPOV, A.N., red.; VOROB'YEV, V.A., prof., doktor tekhn. nauk, zasl. deyatel' nauki, red.; SHITOVA, L.N., red. izd-va; RYAZANOV, P.Ye., tekhn. red.

[Instructions for using organic and emulsion thinners for oil pigment pastes in construction] Instruktsiia po primeneniiu v stroitel'stve organicheskikh i emul'sionnykh razbavitelei dlia gustotertykh maslianykh krasok. Moskva, Gos.izd-vo lit-ry po stroit., arkhitekt. i stroit. materialam, 1960. 8 p. (MIRA 15:1)

1. Akademiya stroitel'stva i arkhitektury SSSR. Vsesoyuznyy nauchno-issledovatel'skiy institut novykh stroitel'nykh materialov. 2. Chlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR (for Mamurovskiy). 3. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Popov).
(Thinner (Paint mixing))

MEIVFDSKIY, A.N., inzh.

Manufacture by powder metallurgy of inserts for current
collecting devices on trolleybuses. Trudy GPI 19 no. 1:
69-73 '63. (MIRA 17:7)

MEDVEDSKIY, N. F. and I. IA. RIABCHENKO.

Smerno-sutochnoe sadanie v tsekhakh individual'nogo mashinostroeniia. Kiev, Mashgis, 1949. 91 p. diagrs.

[Day and night shift assignments in machine shops of individual machine-building.]

DLC: TJ1135.M4

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

MEDVEDSKIY, N. I.

USSR/Electricity - Networks, Municipal
Distribution

May 50

"On A. A. Glazunov's Article, 'Methods for Technical Development and Modernization of Electrical Networks of Large Cities in the Soviet Union,'" Docent A. N. Dmitriyev, Cand Tech Sci, Leningrad Elec Eng Inst; A. I. Sandler, Cand Tech Sci, Ivanovo Power Eng Inst imeni Lenin, N. I. Medvedskiy, Engr, Rosstromproyekt, L. F. Teykhan, Engr, Elec Networks sec, Leningrad Div VNITOE; Prof A. A. Glazunov, Dr Tech Sci, Moscow Power Eng Inst imeni Molotov

"Elektrichestvo" No 5, pp 75-78

Authors state views on controversial points in subject article and Glazunov replies to criticism. [For summary of Glazunov's original article, see OO-W-12717.]

PA 167T15

GLANTS, Yu.A., inzh.; FINGER, L.M., inzh.; NIKOGOSOV, S.M., kand. tekhn. nauk (Leningrad); MEDVEDSKIY, N.I., inzh. (Leningrad); VOLOTSKOY, N.V., kand. tekhn. nauk; BESSMERTNYI, I.S., kand. tekhn. nauk (Moskva); VORONTSOV, F.F., kand. tekhn. nauk (Moskva).

Urgent problems relative to the theory of urban power networks.
Elektrichestvo no.12:73-78 D '56. (MIRA 11:3)

1. Khar'kovskoye otdeleniy Teploelektroproyekta (for Glants).
2. G1-prokommunenergo (for Finger).
3. Lengiprogor (for Medvedskiy).
4. Lenproyekt (for Volotskoy).
(Electric networks) (Electric power distribution)

MEDVEDSKIY, N I.

KAMENSKIY, M.D., doktor tekhnicheskikh nauk, professor.; AYZENBERG, B.L.,
kandidat tekhnicheskikh nauk; MEDVEDSKIY, N.I., inzhener.

One way of economizing on nonferrous metals in urban networks. Elektri-
chestvo no.2:21-25 F '57. (MLRA 10:3)

1. Leningradskiy politekhnicheskoy institut im. Kalinina (for Kamenskiy)
2. Leningradskiy inzhenerno-ekonomicheskoy institut im. Molotova (for
Ayzenberg)
3. Leningradskoye otdeleniye Gosudarstvennogo instituta po
proyektirovaniyu ~~g~~prodov, grazhdanskikh sooruzheniy, po s"yemkam i
po planirovaniyu naselennykh mest (for Medvedskiy)
(Electric cables)

MOVED

AYZENBERG, Boris L'vovich; VOLOTSKOY, Nikolay Vasil'yevich; IVANENKOV, Mikhail Nikolayevich; KAMENSKIY, Mikhail Davidovich; KEZEVICH, Vasil'y Vasil'yevich; MEDVEDSKIY, Nikolay Ivanovich; NIKOGOSOV, S.N., red.; MELENT'YEVA, Ye.A., red.; SOBOLEVA, Ye.M., tekhn. red.

[Municipal electric systems; fundamentals of design and construction] Gorodskie elektricheskie seti; osnovy postroeniya i proektirovaniya. Moskva, Gos. energ. izd-vo, 1958. 328 p.
(Electric power distribution) (MIRA 11:9)

MEDVEDSKIY, N.I.

Problem concerning the determination of the loads of a municipal
electric network. Trudy LIEI no.33:102-107 '60. (MIRA 14:8)
(Electric power) (Electric power distribution)

~~MEDVEDSKIY, N.I.~~; SALOMASOV, S.S.; VOLYNSKIY, R.S., inzh., retsenzent;
ZHURAVSKIY, N.A., red. izd-va; VORONETSKAYA, L.V., tekhn.
red.

[Erection of outdoor power lines and distribution networks]
Prokladka naruzhnykh elektrosetei i linii. Leningrad, Gos.
izd-vo lit-ry po stroit., arkhitekt. i stroit. materialam, 1961.
185 p. (MIRA 15:3)

(Electric lines--Overhead)

(Electric lines--Underground)

MEDVEDSKIY, N.I.

Use of doubled cable lines in municipal electrical networks.
Trudy LIEI no.41:100-109 '62. (MTPA 17:6)

1. Leningradskoye otdereniye Gosudarstvennogo inst ituta
proyektirovaniya gorodov.

ISHKHANOV, V.G.; MEDVEDSKIY, R.I.; ALLAKHVERDYAN, A.P.

Using guide carriages in the exploitation of injection wells.
Nefteprom. delo no.6:24-26 '64. (MIRA 17:9)

1. TSekh nauchno-issledovatel'skikh i proizvodstvennykh rabot
neftepromyslovogo upravleniya im. XXII s"yezda Kommunisticheskoy
partii Sovetskogo Soyuza ob"yedineniya "Glavmorneft".

MEDVEDSKIY, R.I.

Simple formulas for calculating ultimate recovery of liquids from
a layer in initial production. Neft. khoz. 43 no.9:35-38 S '65.

(MIRA 18:10)

ALLAKHVERDYAN, A.P.; ISHKHANOV, V.G.; MEDVEDSKIY, R.I.

Device for testing mineral waters in the process of drilling.
Izv. vys. ucheb. zav.; geol. i razv. 8 no. 12:149-150 D '65

1. Neftepromyslovoye upravleniye imeni XXII s"yezda Kommunisti-
cheskoy partii Sovetskogo Soyuz, Baku.

MEDVEDSKIY, Ye.N.

Local potentiated anesthesia in surgery for malignant tumors
of the upper respiratory tract. Vest.otorin. 22 no.2:46-50
Mr-Apr '60. (MIRA 13:12)

1. Iz kliniki bolezney ukha, nosa i gorla (sav. - prof.B.A.
Shvarts) Vitebskogo meditsinskogo instituta.
(RESPIRATORY SYSTEM neoplasms)
(HIBERNATION, ARTIFICIAL)
(ANESTHESIA, LOCAL)

MEDVEDSKIY, Ye. N.

Oxygen saturation of the arterial blood in surgery of malignant tumors of the upper respiratory tract using a lytic cocktail in association with local anesthesia. Vest. otorin. no.4:27-31 '61.
(MIRA 15:2)

1. Iz kafedry bolezney ukha, nosa i gorla Vitebskogo meditsinskogo instituta.

(RESPIRATION ORGANS--CANCER) (LOCAL ANESTHESIA)
(ARTIFICIAL HIBERNATION) (BLOOD--OXYGEN CONTENT)

MEDVEDSKIY, Ye.N.

Indications and contraindications for the use of a neurolytic mixture combined with local anesthesia in otorhinolaryngology. Zhur. ush., nos. i gorl. bol. 21 no.3:29-33 My-Je '61.

(MIRA 14:6)

1. Iz kafedry bolezney ukha, gorla i nosa (zav. - dotsent G.M. Smerdov) Vitebskogo meditsinskogo instituta.

(AUTONOMIC DRUGS)

(LOCAL ANESTHESIA)

(OTOLARYNGOLOGY)

MEDVEDSKIY, Ye.N.

Late results of cavity operations on the ear. Zhur. ush., nos. i gorl.
bol. 22 no.1:78-79 Ja-F '62. (MIRA 15:5)

1. Iz kliniki bolezney ukha, gorla i nosa (zav. - prof. B.A.Shvarts
[deceased]) Vitebskogo meditsinskogo instituta.
(EAR—SURGERY)

MEDVEDYUK, N. I.

Klepal'shchik-chekanshchik. Odobreno v kachestve uchebn. posobiia dlia shkol
FZO. Moskva, Trudrezervizdat, 1950. 190 p. illus.

The riveter and stamper.

DLC: TA891.M4

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library
of Congress, 1953.

MEDVEDYUK, N. E.

PHASE I Treasure Island Bibliographic Report

00000109

BOOK

Call No.: TL699.M4M4

Author: MEDVEDYUK, N. E.

Full Title: MACHINE SHOP PRACTICE IN BRASS AND DURALUMINUM SHEET METALWORKING.

Transliterated Title: Mednik-diural'shchik.

Publishing Data

Originating Agency: None.

Publishing House: State Publishing House of Defense Industry. (Oborongiz).

Date: 1952.

No. pp.: 202.

No. copies: Not given.

Editorial Staff

Editor: None.

Technical Editor: None.

Editor-in-Chief: None.

Appraisers: Tarasevich, R.M., Eng.
Berlin, M.E., Eng.

Others: Gratitude is expressed to Assistant Professor S.V. Avturin for assistance in writing chapters 11, 12, and 13.

Text Data

Coverage: The book describes a variety of instruments, appliances, and tools used in brass and duraluminum sheet metalworking; also, processes and methods of operation, both manual and machine. Basic characteristics of metals and their alloys used in aircraft production are briefly outlined.

Purpose: A textbook for increasing the qualifications of workers engaged in brass and duraluminum machine shop sheet metalworking.

Facilities: None.

No. Russian References: 8.

Available: Library of Congress.

MEDVEDYUK, N. I.

45Q1. STEPANOV, A. G. Mednitskiye i zhestyanistskiye raboty. (Ucheb. posobiye dlya uchashchikhsya remesl i zh. - D. Uchilishch) M., trudrezervirovat, 1954. 232 s. s lhh. 235 m. 10.000 skz. 4R. 15K. v per. -- (SS - 100) P 672/673

SO: Knizhaya Letopis, Vol. 1, 1955

MEDVEDYUK, H.I.; STEPANOV, A.G.; TIKHONOV, V.I., nauchnyy redaktor;
SEUR, D.S., redaktor; KUZ'MIN, D.G., tekhnicheskiy redaktor

[Copper and tinsmithing] Mednitkie i zhestianitskie raboty.
Moskva, Vses. uchebno-pedagog. izd-vo Trudrezervizdat, 1956.
271 p. (MLBA 10:4)
(Coppersmithing) (Tinsmithing)

MEDVEDYUK, Nikolay Ivanovich; SUSLOV, Petr Vasil'yevich

[Collective farm smith; with qualifications of mechanic,
tinsmith, and coppersmith] Kolkhosnyi kuznets; s kvalifikatsiei
slesaria, zhestianshchika i mednika. Moskva, Trudrezervizdat,
1959. 346 p. (MIRA 13:7)
(Blacksmithing)

MEDVEDYUK, Nikolay Ivanovich; TIKHONOV, V.I., nauchnyy red.; LITVAK, D.S.,
red.; PERSON, M.N., tekhn.red.

[Metalwork] Mednitskie i zhestianitskie raboty. Izd.4., perer.
i dop. Moskva, Vses.uchebno-pedagog.izd-vo Proftekhizdat, 1960.
335 p. (MIRA 13:6)

(Metalwork)

L 16483-66 EPF(n)-2/EWP(j)/T/EWA(h)/EWA(1) GG/RM

ACC NR: AF6008583

SOURCE CODE: HU/0005/65/071/002/0057/0062

AUTHOR: Kiss, Laszlo; Pravednyikov, A. N.; Medveghev, Sz. Sz. 53B

ORG: Research Institute of the Plastics Industry, Budapest (Muangyagipari Kutato Intezet)

TITLE: Investigation of the nature of the active centers initiating the low-temperature radiation polymerization of acrylonitrile

SOURCE: Magyar kemiai folyoirat, v. 71, no. 2, 1965, 57-62

TOPIC TAGS: radiation polymerization, gamma radiation, organic nitrile compound

ABSTRACT: The experimental techniques employed in these studies were those described by the authors in "Radiation Chemistry", published in 1964 by the Academic Press (Akademiai Kiado) in Budapest. The γ -ray-initiated polymerization of acrylonitrile in an electric force field was investigated in the +20° to -80°C temperature range. It was found that the low-temperature polymerization is initiated by free anion radicals. Whether the reaction proceeds as a free-anion reaction or as a free-radical reaction is determined by the prevailing anion radical - double radical equilibrium. Orig. art. has: 6 figures, 8 formulas, and 3 tables. [JPRS]

SUB CODE: C7 / SUBM DATE: 12Jun64 / ORIG REF: 001 / OTH REF: 008
SOV REF: 003
Card 1/1 vmb 2

MEDVESEK, Ludvik, pukovnik mr. ph.

Personal experiences with parenteral solutions. Voj. san. pregl.,
Beogr. 11 no.11-12:576-582 Nov-Dec 54.

1. Apoteka VMA. Laboratorija za parenteralne otopine.
(SOLUTIONS
parenteral, prep. & sterilization)
(ANTISEPSIS AND ASEPSIS
parenteral solutions)

MEDVESEK, Ludvik, pukovnik m-r ph.

**Organization of hospital pharmaceutical service. Voj.san.pregl.,
Beogr. 12 no.5-6:281-287 May-June '55.**

**1. Apoteka VMA
(HOSPITALS,
pharmacy, organiz.(Ser))**

MEDVESEK, Ludvik, Fokovnik m-r ph.; JAKOVLJEVIC, Ivan, m-r ph.

Evaluation of antacids. Voj. san. pregl., Beogr. 13 no.1-2:
39-48 Jan-Feb 56.

1. Apoteka VMA; Laborat. za ispitivanje lekova.
(ANTACIDS,
evaluation of antacids prep. in Yugosl. (Ser))

MEDVESKY, L

HUNGARY/Nuclear Physics

C-2

Abs Jour : Referat Zhur - Fizika, No 5, 1957, 11046

Author : Medveszky, L.

Inst : Nuclear Research Institute, Hungarian Academy of Sciences,
Dobrecsen, Hungary.

Title : Investigation of the Energy Spectrum of Neutrons from a
Po-Be Source with the Photographic Emulsion Method.

Orig Pub : Acta phys. Acad. sci. hung., 1956, 6, No 2, 261-272

Abstract : A thick beryllium layer was bombarded with particles
from polonium coated on a platinum disk 3 mm in diameter.
The neutron spectrum of the reaction $\text{Be}^9 (\alpha, n) \text{C}^{12}$
was measured from the recoil protons Ilford C2 in nuclear
photoemulsions (100 microns). 12,000 tracks were proces-
sed. The neutron spectrum disclosed maxima at energies
of 1.3, 4.4 and 6.9 Mev. The maximum energy of the neu-
trons

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HUNGARY/Nuclear Physics

C-2

Abs Jour : Ref Zhur - Fizika, No 5, 1957, 11046

was 10.7 Mev. The energy distribution of the neutrons obtained is in considerable disagreement with the existing data. In the author's opinion, this may be explained both by the greater statistical error of his measurements compared with other works, as well as by the unique geometry he employs.

Card 2/2

MEDVETCHI, A., ing.

In step with the requirements. Constr Buc 16 no. 763:2
22 Ag '64.

1. Assistant Scientific Director, Institute of Planning and
Scientific Research for Constructions and Building Materials.

25063

S/080/60/033/010/015/029

D216/D306

54700

AUTHORS: Ukshe, Ye.A., Polyakova, G.V., and Medvetskaya, G.A.

TITLE: Dynamics of chlorine and magnesium on the electrolysis of fused chlorides

PERIODICAL: Zhurnal prikladnoy khimii, v. 33, no. 10, 1960, 2279 - 2284

TEXT: Many investigators have shown that hydrodynamic factors influence the electrolysis of fused salts. Among these A.I. Bukhbinder (Ref. 5; LPI. Tr., 188, 115, 1957) investigated the effect of mean dimensions of gas bubbles, deposited on the anode, on the circulation rate. His equation for the mean rate of electrolyte motion has proved to be incomplete. The role of mean dimensions of gas bubbles may be deduced from a critical equation analogous to Bukhbinder's. A.N. Frumkin, and B.N. Kabanov (Ref. 6; ZhFKh., 4, 539, 1933) showed that dimensions of gas bubbles leaving the electrode depend on the wetting angle of the edge θ , surface tension of electrolyte σ , and its specific gravity γ . A critical equation

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Dynamics of chlorine and ...

describing the hydrodynamics of the electrolyte in a cell with vertically placed electrodes, on one of which the gas is evolved. is given in general form as

$$w = f(h, l, v, \nu, \gamma, g, \sigma). \quad (4)$$

In accordance with the theory of equalities, the true part of this equation may be presented in the form of derived non-dimensional complexes whose maximum number should be the same as that of dimensional parameters characterizing the process (in the given cases, there are eight: $w, h, v, \nu, l, g, \gamma, \sigma$) and the number of primary dimensions (in the given case, three: mass, length and time). In this manner the number of non-dimensional complexes, characterizing the hydrodynamics of electrolyte is equal to five. These complexes were chosen by the authors in the form of Reynold's criterion

$$\text{Re} = \frac{wh}{\nu}, \text{Bukhbinder's, Bu} = \frac{vh}{\nu}, \text{Galileo's, Ga} = \frac{gh^3}{\nu^2}, \text{Weber's, We} = \frac{\sigma}{\gamma h^2}, \text{ and the geometrical ratio } \frac{h}{l}. \text{ The first of these criterions}$$

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Dynamics of chlorine and ...

appears as function of other forms, i.e.

$$Re = f(Bu, Ga, We, \frac{h}{l}). \quad (5)$$

In this, the density of the gas was neglected which in the case of fused electrolyte is permissible. Eq. (5) can be written in the form:

$$\frac{wh}{v} = B(\frac{vh}{v})^m \cdot (\frac{gh^3}{v^2})^n \cdot (\frac{o}{yh^2})^q \cdot (\frac{h}{l})^p, \quad (6)$$

where B, m, n, q and p are constants. This equation differs from Bukhbinder's only by the presence of Weber's criterion. By means of Eqs. (5) or (6), conditions of the magnesium electrolyte in aqueous solutions taken as a model can be determined. These three equalities should be maintained: (a) $v_{cell} = v_{model}$; (b) $v_{melt} = v_{model}$; (c) $(\frac{\sigma}{\gamma})_{melt} = (\frac{\sigma}{\gamma})_{model}$. Of these (a) is not difficult, while (b) and (c) for a magnesium electrolyte are similar to the 10 % solution of $NaNO_3$. The effect of edge wetting angle, θ , on

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the value of constant B was decreased by using graphite, and hence was ignored. The actual model cell was made of plexiglass and was rectangular in shape with a plexiglass "cathode" and diaphragm. The place of the anode was taken by a graphite rod, through which a channel was bored for passage of gas (nitrogen) and the rod surface was covered with an oil film. Under pressure the gas diffuses through pores of graphite rod in form of bubbles, simulating the behavior in the real cell. To imitate drops of magnesium, drops of oil were used which were introduced into the electrolyte by a pipette, through an opening in the cathode sheet. The experimental work was directed studying gas distribution and motion of magnesium drops, and their dependence on the level of the electrolyte and interelectrode distance at a given gas flow (current density). The results obtained indicated that quantitative results on the hydrodynamics of chlorine can be arrived at by model work. There are 2 figures, 2 tables, and 15 references: 11 Soviet-bloc and 4 non-Soviet-bloc.

SUBMITTED: December 26, 1959

Card 4/4

5(4)

SOV/20-126-6-43/67

AUTHORS:

Vinnik, M. I., Zarakhani, N. G., Medvetskaya, I. M.,
Chirkov, N. M.

TITLE:

The Role of Salt Formation in Acid-catalytic Processes. The Kinetics of Cyclohexanone Oxime Hydrolysis (O roli soleobrazovaniya v kislотно-kataliticheskikh protsessakh. Kinetika gidroliza tsiklogeksanonoksima)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 6, pp 1300-1303 (USSR)

ABSTRACT:

The hydrolysis of amides and oximes is accelerated by acids and bases. An anomalous dependence of the reaction rate upon the acidity of the medium is observed in acid hydrolysis (Refs 1-4). The value of the reaction constant increases with increasing HCl-concentration up to a certain amount and then decreases again. An investigation of the bimolecular reaction between the "protonized" molecule of the reagent and water :

$$RCONH_2 + H^+ \rightleftharpoons RCONH_3^+ ; RCONH_3^+ + H_2O \rightleftharpoons M^* \xrightarrow{k} \text{product}$$
of hydrolysis shows that this reaction is not able to explain the phenomena observed. The authors assume that the "protonized" form of the reagent is able to combine with the acid anion to a

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The Role of Salt Formation in Acid-catalytic Processes. SOV/20-126-6-43/67
The Kinetics of Cyclohexanone Oxime Hydrolysis

non-dissociated salt. In order to prove the rightness of this assumption, the hydrolysis of cyclohexanone oxime was spectrophotometrically investigated at $\lambda = 222 \text{ m}\mu$ under the catalytic effect of hydrochloric acid. A kinetic curve is derived (Fig 1) under consideration of a monomolecular reaction of the hydrolysis of the oxime and (in the case of a reverse process) of the bimolecular oxime formation from cyclohexanone and hydroxylamine. Table 1 and figure 2 show the experimental results and confirm that the reaction constant of hydrolysis passes through a maximum. A decreasing rate of hydrolysis (Table 2) was brought about by experiments made with the addition of NaCl and LiCl. Therefore, salt formation inhibits acid catalytic processes by reducing the concentration of the reactive form of the reagent. In the hydrolysis of cyclohexanone oxime, the stage of isomerization of the "protonized" form has a limiting effect. There are 2 figures, 2 tables, and 7 references, 2 of which are Soviet.

PRESENTED: February 26, 1959, by V. N. Kondrat'yev, Academician

SUBMITTED: February 20, 1959
Card 2/2

MEDVETSKIY, G.

Inclose touch with the economy. Fin.SSSR 17 no.5:64-66 My '56.
(MLRA 9:8)

(Vitebsk Province--Sales tax)

D'YACHKOV, I.A.; MEDVETSKIY, M.G.

Let's improve work with efficiency innovators. Vest.svyazi 16
no.9:26-27 S '56. (MLRA 9:11)

1. Glavnyy inzhener Khabarovskogo krayevogo upravleniya svyazi
(for D'yachkov). 2. Predsedatel' komissii po izobretatel'stvu
i ratsionalizatsii kraykoma profsoyuza svyazi.
(Khabarovsk Territory--Telecommunication)

MEDVETSKIY, P.I. (g. Bel'tay, Moldavskoy SSR)

Using training in school workshops for teaching physics. Fiz.
v. shkole 20 no.2:79-84 Mr-Ap '60. (MIRA 14:5)
(Physics—Study and teaching)

MEDVETSKIY, P.I. (g.Bel'tsy)

Dynamometric measurement of manual operations in a school
workshop. Politekh.obuch. no.9:30-31 S '59.

(MIRA 12:12)

(Dynamometer)

MEDVETSKIY, Ye. N.

Min Higher Education USSR. Moscow Inst of Engineers of Geodesy, Aerial Photography,
and Cartography

MEDVETSKIY, Ye. N.- "Methods of observing the settling of industrial and civil
structures." Min Higher Education USSR. Moscow Inst of Engineers of Geodesy,
Aerial Photography and Cartography. Moscow, 1956.
(Dissertation for the Degree of Candidate in Technical Sciences.)

SO: Knizhnaya Letopis' No. 13, 1956.

BRATT, Petr Iosifovich; MEDVETSKIY, Yevgeniy Nikolayevich; LEVCHUK,
G.P., dotsent, red.; KOMAR'KOVA, L.M., red.izd-va; ROMANOVA,
V.V., tekhn.red.

[Using geodetic methods in measuring deformations and
settlement of structures] Izmerenie osadok i deformatsii
sooruzhenii geodezicheskimi metodami. Moskva, Izd-vo geodez.
lit-ry, 1959. 198 p. (MIRA 12:10)

1. Moskovskiy institut inzhenerov geodezii, aerofotos"yemki
i kartografii (for Levchuk).
(Foundations) (Soil mechanics)

MEDVETSKIY, Ye.N., kand.tekhn.nauk

Measuring general deformations of ships by the optical sighting
method. Izv.vys.ucheb.zav.; geod.i aerof. no.4:39-46 '62.
(MIRA 16:2)

1. Odesskiy inzhenerno-stroitel'nyy institut.
(Shipbuilding) (Optical measurements)

MIKULOWSKI, Włodzimierz; STOPYROWA, Janina; MEDVEY, Krystyna

Gigantism and acromegaly in a 6-year-old boy. Endokry. pol. 13
no.3:407-412 '62.

1. II Klinika Chorob Dzieci AM w Krakowie Kierownik: doc. dr A.Gebala
Oddział Obserwacyjny Ordynator: prof. dr. W. Mikulowski.
(GIGANTISM inf & child) (ACROMEGALY in inf & child)

Medvey w.

BIERNACKA, J.; MEDVEY, W.

Prevention of chrombosis following gynecological surgery. Polski tygod.
lek. 12 no.41:1564-1567 14 Oct 57.

1. Z II Kliniki Poloznictwa i Chorob Kobiacych A. M. w Krakowie; kierownik
prof. dr M. Seidler. Adres: Krakow, ul. Pradnicka 37, II Klinika Polozn.
i Chor. Kob. A.M.

(GENITALIA, FEMALE, surgery,

antigoagulant ther. in prev. of postop. thrombosis (Pol))

(ANTICOAGULANTS, ther. use,

in gyn. surg., prev. of postop. thrombosis (Pol))

NOWAK, Stanislaw; MEDVEY, Wojciech

Treatment of hyperemesis vera gravidarum. Polski tygod. lek. 13 no.50:
2021-2024 15 Dec 58.

1. Z II Kliniki Poloznictwa i Chorob Kobietych A. M. w Krakowie; kierownik:
prof. dr med. Maksymilian Seidler. Adres: Krakow, ul. Wyspianskiego 5.

(VOMITING, in pregn.

hyperemesis vera, ther. (Pol))

(PREGNANCY, compl.

same)

SEIDLER, Maksymilian; MEDVEY, Wojciech; WEGSCHEIDER, Janusz

Prevention of thrombosis in obstetrics. Polski tygod. lek. 14
no.33:1525-1528 17 Aug 59.

1. (Z II Kliniki Chorob Kobietych i Poloznictwa A. M. w Krakowie;
kierownik: prof. dr med. Maksymilian Seidler).
(THROMBOSIS, prev. & control) (DELIVERY, compl.)

KOŁODZIEJSKA, Hanna; MEDVEY, Wojciech

The results of treatment of cancer of the uterine cervix at the Cracow
Institute of Oncology during the years 1951-1955. Nowotwory 12 no.4:
317-320 '62.

1. Z Instytutu Onkologii Oddział w Krakowie Dyrektor: doc. dr med.
H. Kołodziejska.

(CERVIX NEOPLASMS)

KOŁODZIEJSKA, Hanna; MEDVEY, Wojciech; MIZIA, Tadeusz; NOWAK, Stanisław;
URBAN, Anna

Evaluation of the diagnosis of pre-invasive cancer of the cervix uteri
before surgery. Pol. tyg. lek. 17 no.36:1412-1414 3 S '62.

1. Z Instytutu Onkologii, oddział w Krakowie; dyrektor: doc. dr med.
Hanna Kołodziejska.

(CERVIX NEOPLASMS)

MDVET, Wojciech; WIRSA, YOUNG

1. The first part of the report is devoted to the description of the

1. The Institute of the Polish Academy of Sciences, 1. The

MEDVEY, Wojciech

Results of the treatment of cervical cancer in the Institute
of Oncology in Krakow during the period of 1956-1957. Ginek.
Pol. 35 no.4: 547-551 J1-Ag '64

1. Z Instytutu Onkologii, Oddzial w Krakowie (Dyrektor:
prof. dr. med. H. Kolodziejska).

MEMORY, Kojalech; SMOJAN, Krystyna; CERAPOWSKA, Ewa

Evaluation of Saunders's technic as a diagnostic procedure
in atypical conditions of the vaginal part of the uterus.
Ginek. Pol. 36 no.1987-9 Ja 195

1. 3 Instytut Ginekologii, Oddział w Krakowie (Dyrektor -
prof. dr. med. E. Kociołowska).

MEDVEYEV, V. S.

"Torsion and Bending of Closed Cylindrical Shells Above the Elastic Limit." Sub 3 Dec 51, Military Aeronautical Engineering Academy imeni Prof N. Ye. Zhukovskiy

Dissertations presented for science and engineering degrees in Moscow during 1951.

SC: Sum. No. 480, 9 May 55

CZECHOSLOVAKIA/Electronics - Photocells and Semiconductor Device H.

Abs Jour : Ref Zhur - Fizika, No 7, 1959, 15961

Author : Stanek, M., Medvezov, B.

Inst : Institute for Radio Technical Research, Czechoslovakia

Title : Meter for the Input Parameters of Transistors

Orig Pub : Slaboproudy obzor, 1958, 19, No 3, 128-132

Abstract : Description of a device that makes possible the input parameters of transistors (input impedances and input capacitance) by means of a compensation method with the aid of a rectangular signal. From the shape of the different signal on the oscillograph screen it is possible to determine which of the parameters of the electric equivalent circuit does not match the corresponding input parameter of the measured transistor.

Card 1/1

SOV/137-57-1-1584

Translation from: Referativnyy zhurnal. Metallurgiya, 1957, Nr 1, p 209 (USSR)

AUTHOR: Medvid', M. V.

TITLE: Automatization of Electromagnetic Methods for Heat Treatment Control (Avtomatizatsiya elektromagnitnykh metodov kontrolya termoobrabotki)

PERIODICAL: V sb.: Avtomatizatsiya tekhnol. protsessov v mashinostr. Moscow, AN SSSR, 1955, pp 140-148

ABSTRACT: The author examines the fundamental principles of electromagnetic methods (M) for the inspection of the hardness of heat-treated machine parts and adduces the basic lay-outs of an automatic apparatus for the inspection of the hardness of bushings in harvester chains and the RSF-2 automatic apparatus for the inspection of bearing balls which were developed at the Lvov Polytechnic Institute. It is shown that the M for measuring the principal parameters of the hysteresis loop are easily automatized and exhibit a high sensitivity, and that the results of the measurements depend but little on any variations in the size of the articles inspected. However, the rate of operation of these M is not high when compared to other

Card 1/2

Automatization of Electromagnetic Methods for Heat Treatment Control SOV/137-57-1-1584

electromagnetic inspection methods. The transformer methods are the easiest to automatize, the simplest, most sensitive, and most productive, but their serious shortcoming consists in the dependence of the results of their measurements on the variations in the size of the articles inspected. M based on the measurement of the losses and eddy currents have been little explored and are not widely used. The broadest promise is afforded by the eddy-current M which will probably find application in microhardness inspection, too.

L. P.

Card 2/2

MEDVIDY, M. V.

N. Y. Kamyshni, M. V. Medvidy, and W. F. Preis, "On the Problem of Automatic Feeding of Work Pieces to Lathes and Presses."

paper presented at the 2nd All-Union Conf. on Fundamental Problems in the Theory of Machines and Mechanisms, Moscow, USSR, 24-28 March 1958.

MEODVID, M.V.

25(1) PHASE I BOOK EXPLOITATION SOV/2383
Akademika nauk SSSR. Komissiya po tekhnologii mashinostroyeniya
Automatizatsiya mashinostroyeniya. t. II. Privod
i upravleniye rabochimi mashinami (Automation of Machine-Build-
ing Processes. Vol.2: Drives and Control Systems for Process
Machinery) Moscow, Izd-vo AN SSSR, 1959. 370 p. Errata slip
inserted. 5,000 copies printed.
Ed.: V.I. Dikushin, Academician; Ed. of Publishing House: D.M.
Ioffe; Tech. Ed.: I.P. Kuz'min.

PURPOSE: This book is intended for engineers dealing with auto-
mation of various machine-building processes.

COVERAGE: This is the second volume of transactions of the second
Conference on Overall Mechanization and Automation of Manufac-
turing Processes, held September 25-29, 1956. The present volume
contains three parts, the first dealing with automation of
engineering measuring methods. The subjects discussed include
automatic control of dimensions of machined parts, inspection
methods for automatic production lines, in-process inspection
devices, application of electronics in automating linear
measuring processes, and machines for automatic inspection of
bearing faces. The second part deals with automatic drives
and control systems for process machinery, including appli-
cation of digital computers in the control of metal-cutting
machine tools, reliability of relay systems, application of
gas-tube frequency converters in the control of induction
motor speeds, magnetic amplifiers and electronic vibrators. Part
three deals with linear and Geneva-wheel-type mechanisms and auto-
matic production lines. The subjects discussed include
linkage, indexing, and Geneva-wheel-type mechanisms, friction
drives, automatic loading devices, diaphragm-type pneumatic
drives, various auxiliary devices for automatic production
lines, and methods of design and accuracy of cams. No person-
alities are mentioned. There are no references.

Makharadze, Ya. G. Dynamics and Type of Wear of Geneva-
wheel Mechanisms 210
Shekhtits, E.I. Study of Indexing Mechanisms for Tables and
Drums of Automatic Machines 222
Cherkudinov, S.A. Linkage Mechanisms of Heavy-duty Drawing
Presses 233
Revkov, O.A. Controlled Friction Drives Made by Tsklithashn 270
Preys, V.P. Some Problems in the Theory of Loading and Posi-
tioning Devices 278
Redvidi, M.V. Automatic Feeding of Piece Stock Into Working
Machines 292
Kamyshov, M.I. Vibratory Loaders for Machine Tools 311
Rubtsov, P.L. Experience Gained by the Avtozvod Isent
Likhacheva in Developing Standard Mechanisms for Automating
Auxiliary Operations in Metal-cutting Machine Tools 326
Gerts, Ya. M. Designing Diaphragm-type Pneumatic Drives 336
Bron, L.S. Standard Auxiliary Devices for Automatic Lines 352
Borun, P.I. Problems of Profile Design and Cam Accuracy for
Process Machinery in Vacuum Tube Industry 363 //

PLANE I BOOK EXPLOITATION

807/535

Vsesoyuznoye nauchnoissledovaniye po osnovnyam problemam teorii mashin i mekhanizmov.

24, Moscow, 1958
Teoriya mashin avtomaticheskogo deystva i teoriya tekhicheskikh mashin i mekhanizmov
Laboratoriya; sbornik statei (The Theory of Automatic Machines and the
Theory of Precision in the Manufacture of Machinery and Instruments: Collection of
Articles) Moscow, Mashin, 1960. 216 p. (Series: Itz: Trudy [com 3]) Khrata
slip inserted. 3,000 copies printed.

Sponsoring Agency: Institut mashinovedeniya Akademii nauk SSSR.

Editorial Board: I.I. Artobolevskiy (Academician, (Resp. Ed.), S.I. Artobolevskiy,
Professor, Doctor of Technical Sciences, G.O. Baranov, Professor, Doctor of
Technical Sciences, A.P. Bessonov, Candidate of Technical Sciences, V.I.
Gavrilushin, Professor, Doctor of Technical Sciences, A. Ye. Kuznetsov, Doctor
of Technical Sciences, S.I. Levitskiy, Professor, Doctor of Technical Sciences,
A.I. Babakov, Professor, Doctor of Technical Sciences, Ed. Ed. V.V.
Svetitskiy, Engineer, Tech. Ed.: B.I. Mordukhai-Goltz, Ed. for Literature
on General Technical and Transport Machine Building (Mashgiz): A.P. Emelov,
Engineer.

PURPOSE: This collection of articles is intended for engineers and designers,
workers at scientific-research institutes, and instructors at schools of
higher technical education.

CONTENTS: The collection contains discussions of precision problems in the manu-
facture of machines and instruments, the general theory of automatic production
machines, and calculation methods for automatic production machines with
programmed control. The conference at which these reports were presented was
called by the Institute of the Science of Mechanics of the Academy of Sciences,
USSR, and was held in Moscow in 1958. The transactions of this con-
ference have been published in 8 volumes of which the present collection is the
first. Its generalization is mentioned. There are 14 references, and 11. Avist.

1. Artobolevskiy, I.I., M.Y. Melnik, and V.Y. Bress. [Candidates of
Technical Sciences]. Problems in the Theory of Automatic Production
of Machine Tools and Processes by Piecework Intermediate Products
for Yielding Tools to Automatic Machines. 12
2. Baranov, G.O. Kinematic and Dynamic Investigations of Mechanisms
for Yielding Tools to Automatic Machines. 12
3. Bessonov, A.P. Investigation of the Incompatibility of the Cycle
Diagrams of a Six-Position Automatically Controlled Servo. 50
4. Gavrilushin, V.I. [Candidate of Technical Sciences]. Some Problems in
the Productive Capacity of Machines. 53
5. Kuznetsov, V. [Doctor, Professor, Technical Sciences]. Theory and Investiga-
tions of Automatically Controlled Piecework Machines. 54
6. Mordukhai-Goltz, B.I. [Candidate of Technical Sciences]. Systems for
Automatically Controlling Piecework Machines With Periodic Adjustments in
Automatic Machines. 104
7. Melnik, M.Y. [Engineer]. Calculation of Tolerances for a Given
Precision of a Device. 115
8. Gollanovich, T.A. [Candidate of Technical Sciences]. Some Problems
in Calculating the Precision of Complex Computing Devices. 132
9. Dostupov, B.G. [Doctor of Technical Sciences]. On Estimating the
Accuracy of Analog Computers Designed for the Solution of Ordinary
Differential Equations. 158
10. Yankin, A.I. [Candidate of Technical Sciences]. Problems of
Measuring Techniques in Machine Manufacture and on Increasing the Accuracy of
the Basis of the Theory of Precision. 169
11. Babakov, A.I. [Candidate of Technical Sciences]. On Increasing the Accuracy of
Adjusting the Method of Adjustment. 183
12. Svetitskiy, V.V. [Candidate of Technical Sciences]. Defects in
Machine Production Seen as Builders of Vibration and Noise in
Machines. 197
13. Artobolevskiy, I.I. [Candidate of Technical Sciences]. On the Design
of Automated Bridge Computers. 208

AVAILABLE: Library of Congress (T148b v8 1958)

Card 5/5

82/vrc/mss
12-30-60

MEDVID', M.V., kand.tekhn.nauk dots.

Improving the performance of automatic vibratory feeders.

Vest.mash. 40 no.10:24-30 0'60.

(MIRA 13.10)

(Feed mechanisms)

MEDVID, M V

807/5580

Automation of Cold [Metal] Stamping Production

CONTENTS: The collection contains reports delivered at the Kiev Scientific and Technical Conference by workers of machine and instrument plants, design organizations, and scientific research and educational institutes. The Conference was sponsored by the Kievskiy obshcheye pravleniye Nauchno-Tekhnicheskogo obshchestva mashinostroyeniya i mashinostroyeniya (Kiev Oblast Administration of the Scientific and Technical Society of the Machine-Building Industry) and by the Ukrainian republican pravleniye mashinostroyeniya i mashinostroyeniya obshchestva prirodoispol'zovaniya i mashinostroyeniya (Ukrainian Republican Administration of the Scientific and Technical Society of the Machine-Building Industry). The purpose of the Conference was to discuss the achievements and practical experience (especially at the Kievskiy Avtomaticheskoye Mashinostroyeniye Plant, the Vozh Plant, and Leningradskiy) in the automation of stamping production. The Conference also aimed to acquaint a wide number of machine and instrument builders with the present state of automation in these fields and with the prospects for its further development. Papers dealing with experience in the design and operation of automatic devices, presses, and automatic production lines used in stamping production were discussed. No personalities are mentioned. References accompany most of the articles.

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Foreword

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807/5580

FRASE I BOOK INFORMATION

Golubev, T.M., Doctor of Technical Sciences, Professor, and I.P. Tartakovsky, Candidate of Technical Sciences, Docent, eds.

Avtomatizatsiya kholodnozhiltsyovogo proizvodstva (Automation of Cold [Metal] Stamping Production) Moscow, Mashgiz, 1981. 282 p. 6,000 copies printed.

Sponsoring Agency: Otdel' avtomaticheskoy mashinostroyeniya i mashinostroyeniya (Automatization of Cold [Metal] Stamping Production) Informatsiya. Nauchno-Tekhnicheskoye obshchestvo mashinostroyeniya i mashinostroyeniya (Kiev Oblast Administration of the Scientific and Technical Society of the Machine-Building Industry) and by the Ukrainian republican pravleniye mashinostroyeniya i mashinostroyeniya obshchestva prirodoispol'zovaniya i mashinostroyeniya (Ukrainian Republican Administration of the Scientific and Technical Society of the Machine-Building Industry).

Ed.: M.S. Soroka; Tech. Ed.: M.S. Gornostayevskiy; Chief Ed.: (Southern Dept. Mashgiz): V.K. Serdyuk, Engineer.

PURPOSE: This collection of articles is intended for workers at machine and instrument plants and scientific research and design institutes.

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L 8386-65 EWT(1)/EEC(b)-2/EMA(h) AFWL/AFETR/SSD/ESD(c)/ESD(gs)/RAEM(t) JT

ACCESSION NR: AP4048782

S/0187/64/000/007/0055/0058

AUTHOR: Malkiyel', B. S.; Medvid', O. V.; Martyanova, V. P.; Geyzler, Ye. S.; Zelinskaya, L. P.

TITLE: New kinescopes *75*

SOURCE: Tekhnika kino i televideniya, no. 7, 1964, 55-58

TOPIC TAGS: kinescope, picture tube, television, television equipment

Abstract: This article gives the characteristics of new Soviet kinescopes, the 47LK1B and 59LK1B (with diagonals of 47 and 59 cm respectively) for black-and-white television. As regards electrical and lighting engineering parameters these kinescopes are interchangeable with the German AW47-91 and AW59-90 picture tubes, and differ from previous Soviet models by having

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ACCESSION NR: AP4048782

reinforced by a tension band to prevent implosion (3-atmosphere test). The kinescopes have a deflection angle of 110° , magnetic deflection and electrostatic focusing. The electronic optical system has no ion trap. The luminescent screen is aluminized.

ASSOCIATION: SKB elektrovakuumnykh priborov i istochnikov sveta
L'vovskogo ekonomicheskogo administrativnogo rayona (Special Design Office of
Electrovacuum Instruments and Light Sources of the L'vovskiy Economic
Administrative District)

Electrovacuum Instruments and Light Sources of the L'vovskiy Economic
Administrative Region)

SUBMITTED: 00

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OTHER: 003

JPRS

Card

2/2

MEDVINSKAYA, K. G.

Jul 53

USSR/Medicine - Dysentery

"Modification of the Time of Preservation of Dysentery Bacilli in Water with Changes in Their Biological Properties," K. G. Medvinskaya, Sverdlovsk San-Hyg Inst Zhur Mikro, Epid, i Immun, No 7, pp 76-77

States that published information to the effect that the time of preservation of dysentery bacilli in water is shorter than that of typhoid bacilli has been proven to be out of date: present-day sulfonamide-resistant Flexner bacteria survive in water as long as typhoid bacilli, and sulfonamide-resistant Sonne bacteria even longer. It has been found that the lower the temp, the longer the time of survival of dysentery and typhoid bacteria.

267T53

MEDVINSKAYA, K. G.

"The Role of Bacterial Antagonism in the Self-Purification of Springs From Intestinal Disease Agents." Cand Med Sci, Molotov State Medical Inst, Molotov, 1954. (KL, No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

MEDVINSKAYA, K.G.

Substitution of test tubes for Petri's dishes. Lab.delo 2 no.2:30
Mr-Apr '56. (MLRA 9:10)

1. Iz Sverdlovskogo sanitarno-gigiyenicheskogo instituta (dir. -
kandidat meditsinskikh nauk V.S.Slavnin)
(MEDICAL SUPPLIES)

FERRETS, L.G.; MEDVINSKAYA, K.G.; NEZNANSKAYA, I.I.

Effect of subbacteriostatic doses of antibiotics on bacteria.
[with summary in English]. Antibiotiki 3 no.6:63-69 N-D '58.
(MIRA 12:2)

1. Sverdlovskiy nauchno-issledovatel'skoy institut antibiotikov.
(ANTIBIOTICS, effects,
on bact., sub-bacteriostatic doses (Rus))

NEPOMNYASHCHAYA, M.L.; LIBERMAN, L.A.; MEDVINSKAYA, L.Yu.

Bacteriophagic phenomena in the dairy industry. Mikrobiol. zhur. 9
no. 2/3: 34-47 '48. (MLRA 9:9)

1. Iz otdela promyshlennoy mikrobiologii (zav. otdelom - M.L. Nepomnyashchaya) Instituta mikrobiologii imeni akademika D.K. Zabelotnogo Akademii nauk USSR.

(BACTERIOPHAGE) (LACTIC ACID BACTERIA) (MILK)

NEPOMNYASHCHAYA, M.L.; MEDVINSKAYA, L.Yu.; LIBERMAN, L.A.

Nature of the bacteriophages of Streptococcus lactis. Mikrobiol.zhur.
9 no.4:72-80 :48. (MIRA 9:9)

1. Iz otdela promyshlennoy mikrobiologii (zav. otdelom - M.L.Nepomnyashchaya) Instituta mikrobiologii imeni akademika D.K.Zabolotnogo
Akademii nauk URSS.
(BACTERIOPHAGE) (STREPTOCOCCUS LACTIS)

MEDVINSKAYA, L.Yu.

Effect of nitrogenous nutrition and growth promoting substances on the growth and acid formation of *B. schüzembachii*. Mikrobiol.zhur. 9 no.2/3:129-137 '48. (MLRA 9:9)

1. Iz otdela promyshlennoy mikrobiologii (zav. otdelom M.L.Nepomnyashchaya) Instituta mikrobiologii imeni akademika D.K. Zabeletnogo Akademii nauk USSR.

(ACETOBACTER)

(NITROGEN COMPOUNDS)

(GROWTH PROMOTING SUBSTANCES)

MEDVINSKAYA, L. YU.

L. Yu. Medvinskaya, and V. S. Rozhdestvenskiy "Spore-forming, Epiphytic
Microflora of the Wheat Kernel," Mikrobiologiya, vol. 17, no. 2, 1948,
pp. 148-152, 448.3 M582

SO: Sira Si 90-53, 15 Dec 1953

MEDVINSKAYA, L. Yu.

"The Phage-Sensitivity and serological Properties of Str. lactic," Mikrobiol Zhur, Kiev, 1951, No. 1, pp 54-68.

NEPOMNYASHCHA, M.L.; MEDVINS'KA, L.Yu.; TEVILEVICH, M.B.

Secondary phagoresistant cultures of *Streptococcus lactis*.
Mikrobiol.zhur. 15 no.2:56-66 '53. (MLRA 7:3)

1. Z Institutu mikrobiologii AN URSR.
(*Streptococcus lactis*) (Bacteriophagy)

NEPOMNYASHCHA, M.L.; MEDVINS'KA, L.Yu.; FAL'KOVICH, S.B.

Cases of infection of table wines with Lactobacillus. Mikrobiol.
zhur. 15 no.2:81-84 '53. (MLRA 7:3)

1. Z Institutu mikrobiologii AN URSR ta TSentral'noi enokhimichnoi
laboratorii Ukrgolovvino.
(Wine and wine making) (Lactic acid bacteria)

MEDVINS'KA, L.Yu.

Republic conference on the problem of the variability of microorganisms. Mikrobiol. zhur. 15 no.3:79-81 '53. (MLRA 8:1)
(KIEV--MICROBIOLOGY--CONGRESSES)
(BACTERIA)

MEDVINS'KA, L.Yu.

Filtrable forms of Str.lactis in milk and dairy products (second report). Mikrobiol.zhur.15 no.4:14-19 '53. (MLRA 7:2)

1. Z Institutu mikrobiologii Akademii nauk Ukrain's'koi RSR.
(Streptococcus lactis)

MEDVINS'KA, L. Yu.; NOVIKOVA, S. I.

Serological properties of secondary phagoresistant cultures of
Str. lactis. Mikrobiol. zhur. 16 no.1:48-53 '54 (MLRA 8:4)

1. Z Institutu mikrobiologii AN URSR.

(STREPTOCOCCUS,

lactis, serol. properties of phago-resist. strains)

MEDVINSKAYA, L.Yu.; NOVIKOVA, S.I.

Types of lactic acid streptococci bacteriophage. Report No.1:
Obtaining types of lactic acid streptococci bacteriophage and their
characteristics. Mikrobiol.zhur. 16 no.4:52-57 '54. (MIRA 10:1)

1. Z Institutu mikrobiologii Akademii nauk URSR.
(BACTERIOPHAGE) (LACTIC ACID BACTERIA)

MEDVINSKAYA, L.Yu.

Types of lactic acid streptococci bacteriophage. Report No.2: Pure types of Str. lactis bacteriophage and their properties. Mikrobiol. zhur. 16 no.4:58-63 '54. (MLBA 10:1)

1. Z Institutu mikrobiologii Akademii nauk URSR.
(BACTERIOPHAGE) (LACTIC ACID BACTERIA)

MEDVINSKAYA, L. YU.

USSR/Chemical Technology. Chemical Products and Their Application -- Fermentation Industry, I-27

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 6472

Author: Nepomnyashchaya, M. L., Medvinskaya, L. Yu., Karpenko, M. K.,
Tevilevich, M. B.

Institution: None

Title: Some Biological Properties of Production Yeast on Operation in
Accordance with the Withdrawal Method

Original
Publication: Spirt. prom-st', 1955, No 3, 29-30

Abstract: A number of plants have been operating according to the method utilizing fermenting mash in lieu of yeast, which had been proposed by Orlovskiy, Ya. K. (Referat Zhur - Khimiya, 1955, 53936). To determine changes in biological properties of withdrawn yeast, after its prolonged utilization, detailed tests have been conducted, the results of which have revealed that withdrawn yeast adapts itself to the new conditions and, in the absence of infection, exhibits a high

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11/12 1955 L. Yu.
NEPOMNYASHCHA, M.L.; MEDVINS'KA, L.Yu.

Biological properties of commercial yeast *Saccharomyces cerevisiae*
(race No.12) when using an inoculum. Morphology, culture properties
and multiplication energy of *Saccharomyces cerevisiae* (race No.12)
when using an inoculum. Mikrobiol. zhur. 17 no.3:18-25 '55
(MLBA 10:5)

1. Z Institutu mikrobiologii AN URSS.
(YEAST)

MEDVINSKAYA, L. Yu

USSR / Chemical Technology. Chemical Products and Their Application. Food Industry

I-30

Abs Jour : Ref Zhur - Khimiya, No 3, 1957, No 10356

Author : Nepomnyaschaya, M.L. and Medvinskaya, L. Yu

Inst : Not given

Title : An Instance of Gas Production in Kefir During Production

Orig Pub : Mikrobiol. zh., 1955, Vol 17, No 3, 60-61

Abstract : The cause of gas production in kefir in the case cited was found to be the presence of gas-producing aerobic spore [sic] bacilli Bac. polymyxa (Prazmovski Migula), which infect raw stored milk. For the control of infection of pasteurized milk by these bacilli, the authors recommend a 2 and 3-stage disinfection of pasteurization equipment with the application of live steam wherever possible.

Card : 1/1

Country : USSR

E

Category: Virology. Bacterial Viruses (Phages)

Abs Jour: Ref Zhur-Biol., No 23, 1958, No 103511

Author : Medvinskaya, L. Yu.

Inst : -

Title : The Role of Bacteriophage in the Fermentation Industry

Orig Pub: Sb. Bakteriofagiya. Tbilisi, Gruznedgiz, 1957,
345-348.

Abstract: Study of 79 strains of phages of lactic-acid streptococci isolated at seven cheese and butter plants in the Ukraine made it possible to divide them into seven types. The phage of type I and the phage of type II are encountered most often (49 out of 79 and 21 out of 79, respectively). Both phages lysed 158 out of 160 of the cultures of streptococci investigated.

Card : 1/2

h2